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## AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A system for an interactive voice recognition system, comprising:

a voice prompt generator configured for generating voice prompt in a first frequency band;

a speech detector configured for detecting presence of speech energy in a second frequency band, wherein said first and second frequency bands are essentially conjugate frequency bands selected from a plurality of conjugate frequency band sets based at least in part on an operating mode of the system.

- (Original) The system as recited in claim 1 further comprising:

   a voice data generator for generating voice data based on an output of said voice
   prompt generator and audible speech of a voice response generator.
- 3. (Original) The system as recited in claim 1 further comprising: a control signal for controlling said voice prompt generator based on whether said speech detector detects presence of speech energy in said second frequency band.
- 4. (Original) The system as recited in claim 1 further comprising: a back end of said interactive voice recognition system configured to operate on an extracted front end voice feature based on whether said speech detector detects presence of speech energy in said second frequency band.
- 5. (Original) The system as recited in claim 1 wherein said first and second frequency bands include a plurality of conjugate frequency bands.
- 6. (Currently Amended) A method for an interactive voice recognition system, comprising:

selecting a conjugate frequency band set from a plurality of conjugate frequency band sets based at least in part on an operating mode:

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filtering output of a voice prompt generator in accordance with a first frequency band;

controlling said output of said voice prompt generator based on detection of a presence of speech energy in a second frequency band, wherein said first and second frequency bands are essentially conjugate frequency bands corresponding to the selected conjugate frequency band set.

- 7. (Original) The method as recited in claim 6 further comprising:

  operating a back end of said interactive voice recognition system based on said
  detection of said presence of speech energy in said second frequency band.
- 8. (Original) The method as recited in claim 6 further comprising: generating voice data based on an output of said voice prompt generator and audible speech of a voice response generator, wherein said detection of said presence of speech energy in said second frequency band is based on processing of said voice data.
- 9. (Original) The method as recited in claim 6 wherein said first and second frequency bands include a plurality of conjugate frequency bands.
- 10. (Currently Amended) A microprocessor system for an interactive voice recognition system for operation in a remote device, comprising:

means for a voice prompt generator configured for generating voice prompt in a first frequency band;

means for a speech detector configured for detecting presence of speech energy in a second frequency band, wherein said first and second frequency bands are essentially conjugate frequency bands selected from a plurality of conjugate frequency band sets based at least in part on an operating mode of the system.

(Original) The microprocessor system as recited in claim 10 further comprising:

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means for a voice data generator for generating voice data based on an output of said voice prompt generator and audible speech of a voice response generator.

12. (Original) The microprocessor system as recited in claim 10 further comprising:

means for generating a control signal for controlling said voice prompt generator based on whether said speech detector detects presence of speech energy in said second frequency band.

13. (Original) The microprocessor system as recited in claim 10 further comprising:

means for a back end of said interactive voice recognition system configured to operate on an extracted front end voice feature based on whether said speech detector detects presence of speech energy in said second frequency band.

- 14. (Original) The microprocessor system as recited in claim 10 wherein said first and second frequency bands include a plurality of conjugate frequency bands.
- 15. (Currently Amended) A microprocessor system configured for an interactive voice recognition system, comprising:

means for filtering output of a voice prompt generator in accordance with a first frequency band;

means for controlling said output of said voice generator based on detection of a presence of speech energy in a second frequency band, wherein said first and second frequency bands are essentially conjugate frequency bands selected from a plurality of conjugate frequency band sets based at least in part on an operating mode of the system.

16. (Original) The microprocessor system as recited in claim 15 further comprising:

means for operating a back end of said interactive voice recognition system based on said detection of said presence of speech energy in said second frequency band.

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17. (Original) The microprocessor system as recited in claim 15 further comprising:

means for generating voice data based on an output of said voice prompt generator and audible speech of a voice response generator, wherein said detection of said presence of speech energy in said second frequency band is based on processing of said voice data.

- 18. (Original) The microprocessor system as recited in claim 15 wherein said first and second frequency bands include a plurality of conjugate frequency bands.
- 19. (Currently Amended) A remote device for providing remote communication and interactive voice recognition, comprising:

a voice prompt generator configured for generating voice prompt in a first frequency band;

a speech detector configured for detecting presence of speech energy in a second frequency band, wherein said first and second frequency bands are essentially conjugate frequency bands selected from a plurality of conjugate frequency band sets based at least in part on an operating mode of the remote device;

a voice data generator for generating voice data based on an output of said voice prompt generator and audible speech of a voice response generator;

a control signal for controlling said voice prompt generator based on whether said speech detector detects presence of speech energy in said second frequency band.

- 20. (Original) The remote device as recited in claim 19 further comprising:
  a back end of an interactive voice recognition system configured to operate on an extracted front end voice feature based on whether said speech detector detects presence of speech energy in said second frequency band.
- 21. (Original) The remote device as recited in claim 19 further comprising: means for providing a wireless communication link to a base station to communicate, an extracted front end voice feature, based on whether said speech detector detects

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presence of speech energy in said second frequency band, to a back end of an interactive voice recognition system configured to operate on said extracted front end voice feature.